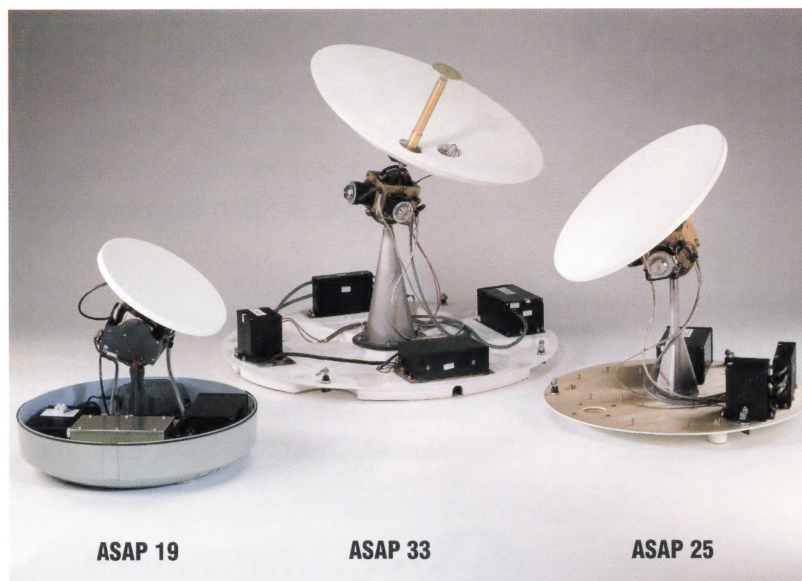




***KVH's Actively Stabilized Antenna Pedestals (ASAP)<sup>™</sup> precisely measure vessel movement and control patented robotic arms that keep the antenna aimed at the satellite.***

### ***Key Features & Attributes***

- Versatile Pedestal Design is Small, Light and Robust
- Patented Robotic Design has No Cable Wrap
- Extremely Quick Warmup and Recovery Time
- Unsurpassed KVH Self-Calibrating Compass Accuracy
- Long Operating Life
- Economical Design with No Periodic Maintenance



### ***Versatile KVH ASAP<sup>™</sup>***

The KVH ASAP<sup>™</sup> is a simple, reliable, low cost system that maintains a satellite link by actively compensating for a vessel's navigation and motion: pitch, roll and yaw. The patented ASAP design is flexible and scalable. KVH has customized the ASAP for many premiere satellite applications:

**Tracphone<sup>®</sup>-M (ASAP 25)** is a highly versatile system integrated into Scientific Atlanta's INMARSAT-M marine systems, the AMSC Super High Gain units from Mitsubishi and Westinghouse, and a variety of other military and commercial applications.

**TracVision<sup>®</sup> (ASAP 33)** is an extremely accurate antenna aiming system developed to meet the critically precise pointing requirements of the new DBS TV satellites. It is the first marine antenna system to win DSS<sup>®</sup> approval from DIRECTV<sup>®</sup>.

**Tracphone<sup>®</sup> (ASAP 19)** is a breakthrough design setting new standards for small size and low cost. It was selected for AMSC's Skycell<sup>®</sup> Satellite Telephone Service to provide high quality voice, fax and data communications.



***KVH's TracVision<sup>®</sup> meets the critical pointing requirements of DBS TV and is the only actively stabilized DSS<sup>®</sup> antenna approved by DIRECTV<sup>®</sup>.***

**KVH ASAP<sup>™</sup> Systems**





## Versatile Design



**KVH's Tracphone®** is a fully integrated stabilized antenna system developed for AMSC to receive their new satellite telephone service at sea. The small affordable Tracphone measures only 19.5" high with a 19.25" diameter and a weight of 30 lbs.

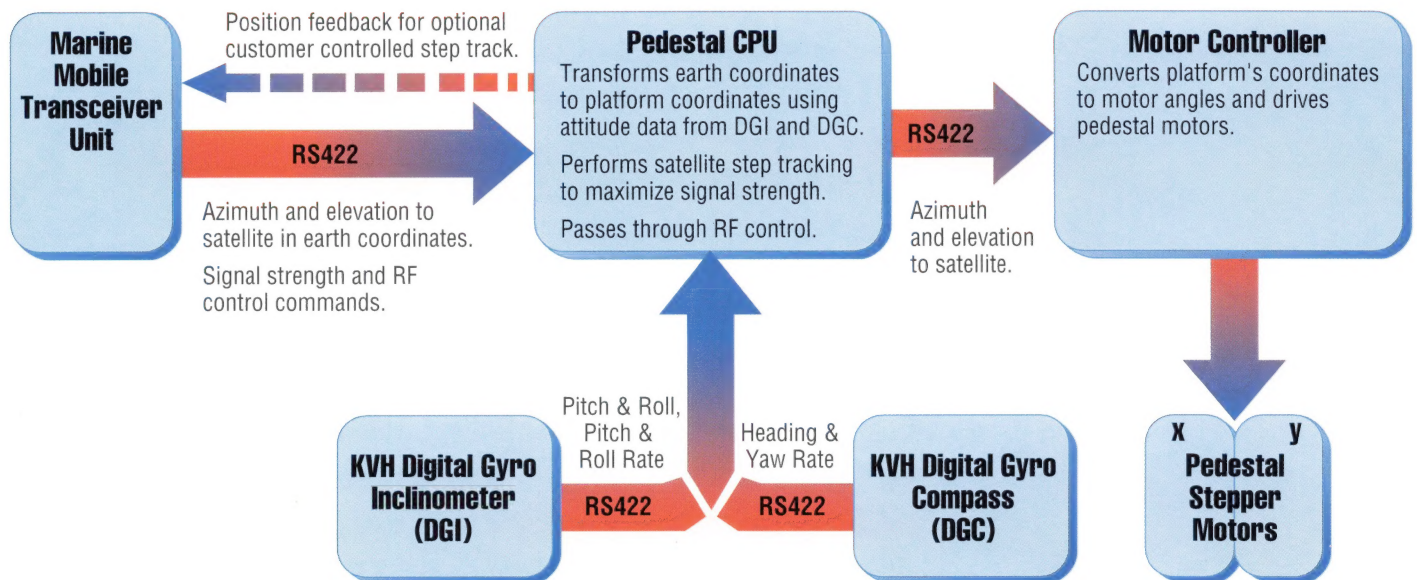
The innovative ASAP design uses KVH's 3-axis digital gyro attitude sensors to precisely measure the pitch, roll and yaw of the host platform. A patented stabilization system converts measurements of vessel movement into motor commands which move a robotics arm holding the antenna, thereby maintaining the satellite link. In addition to the earth referenced sensors, satellite step tracking is used to maximize signal strength. The combination of sensors and step tracking assure rapid satellite reacquisition if satellite signals are temporarily blocked. The mechanical design of ASAP does not wrap cables, eliminating the need to interrupt reception to unwrap cables.

## Experts Choose KVH

These experts rely on KVH's integration expertise to provide a scalable design that meets the needs of their diverse antenna aiming requirements. By choosing KVH Industries, they have received the best and most economical product to integrate with their systems.



## System Diagram



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